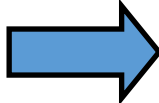


Highwood School—Year 5—Spring 2-Materials



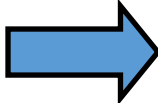
Question

What do you want to learn?



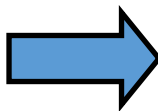
Hypothesis

Take a guess at what you think the answer to your question might be.



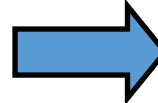
Materials

List the materials you will need to complete your experiment.



Experiment

Test your question by doing an experiment.



Results

What happened during the experiment.



Conclusion

Discuss your findings and answer your question.

Electrical

allow energy to pass through
conductors

- * METALS
-aluminum, copper, iron, steel

Copper penny

stop or slow down energy
insulators

- * GLASS
- * RUBBER
- * COTTON
- * WOOD
- * PLASTIC
- * PAPER

Rubber band

Thermal

conductors

- * METALS
-aluminum, copper, iron, steel
- * GLASS

skillet

insulators

- * PLASTIC
- * RUBBER
- * WOOD
- * WOOL (type of fabric)

oven mitt

Key Words	Definition
Electrical conductor	Lets electricity pass through easily, like copper wire.
Electrical insulator	Does not let electricity flow through easily, like plastic or rubber.
Thermal conductor	Lets heat pass through easily, like a metal kettle.
Thermal insulator	Does not let heat pass through easily, like a wood pan handle.

THERMAL ENERGY

is

HEAT

energy that can be measured by a thermometer

Things that produce heat: